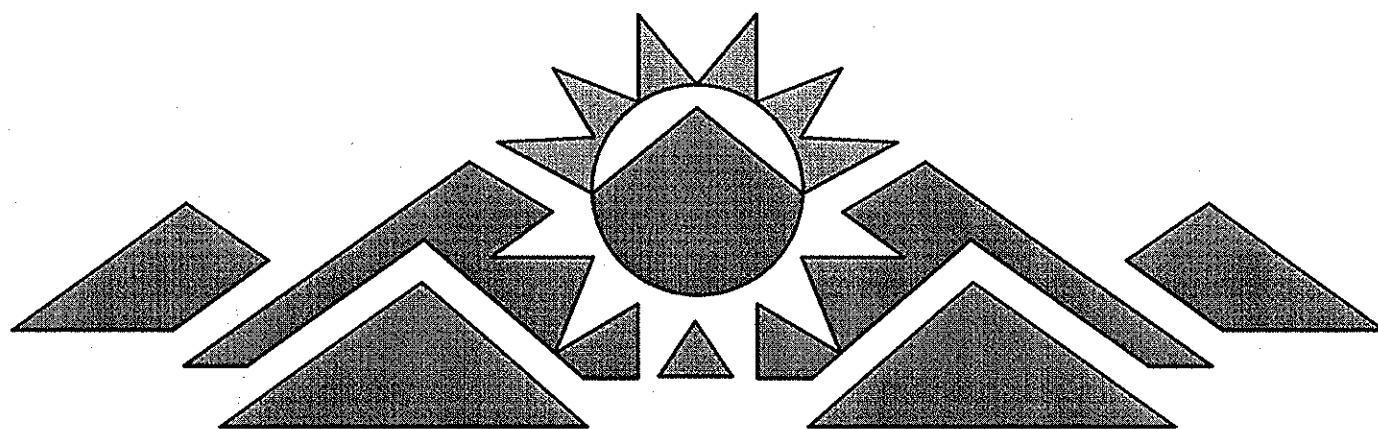


CITY OF SURPRISE
SURPRISE, ARIZONA

COMMUNITY DEVELOPMENT BLOCK GRANT
2014/2015 B-14-MC-04-0514
ROADWAY RECONSTRUCTION
SUNNY LANE AND DESERT SAGE DRIVE



SURPRISE
ARIZONA

MAYOR
SHARON WOLCOTT
VICE MAYOR
JOHN WILLIAMS

COUNCIL MEMBERS

ROLAND F. WINTERS JR
JIM BIUNDO
JOHN WILLIAMS
RACHEL VILLANUEVA
SKIP HALL
TODD TANDE

CITY MANAGER

BOB WINGENROTH

CITY CLERK

SHERRY ANN AGUILAR

CITY ENGINEER

KARL ZOOK, P.E.

PROJECT MANAGER

SUNEEL GARG, P.E.

CDBG PROJECT COORDINATOR

ALICIA RUBIO

CERTIFICATION

I CERTIFY THAT THE DESIGN SHOWN IS BASED ON ACCURATE FIELD DATA WHICH HAS BEEN CHECKED IN THE FIELD WITHIN 60 DAYS PRIOR SUBMISSION FOR CITY APPROVAL.

03/03/15

REGISTERED PROFESSIONAL ENGINEER

DATE

48276

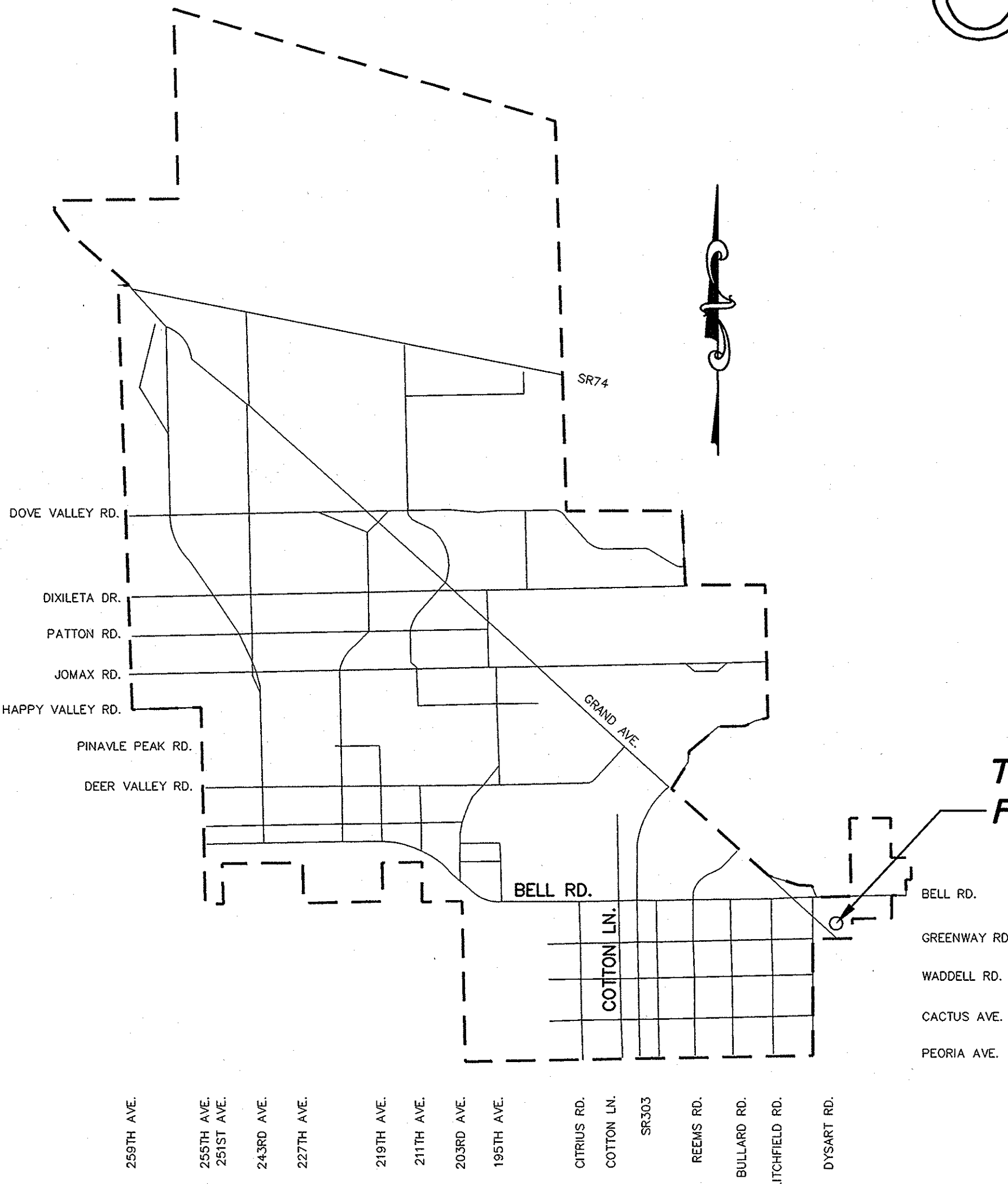
REGISTRATION NO.

AS-BUILT CERTIFICATION

"I HEREBY CERTIFY THAT THE "AS-BUILT" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF."

REGISTERED PROFESSIONAL ENGINEER

DATE



VICINITY MAP
N.T.S.

BENCHMARK

CITY OF SURPRISE BRASS CAP FLUSH AT THE INTERSECTION OF COTTONWOOD STREET AND NASH STREET STAMPED "BM 31-13"

COORDINATES (WGS 84):
33°37'57.58"N
112°20'00.34"W

NAVD88 ELEVATION: 1176.02

BASIS OF BEARING

MARICOPA COUNTY LOW DISTORTION PROJECTION
LINEAR UNIT: INTERNATIONAL FOOT (IFT)
GEODETIC DATUM: NAD 1983
PROJECTION TYPE: LAMBERT CONFORMAL CONIC (SINGLE PARALLEL)

LATITUDE OF ORIGIN: 33°15'00" N
CENTRAL MERIDIAN: 112°15'00" W
FALSE NORTHING: 1,500,000.000 IFT
FALSE EASTING: 2,500,000.000 IFT
STANDARD PARALLEL SCALE: 1.000045 (EXACT)

APPROVAL

THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH CITY REQUIREMENTS PRIOR TO ISSUANCE OF PERMITS. THE CITY NEITHER ACCEPTS NOR ASSUMES ANY LIABILITY FOR ERRORS OR OMISSIONS. THIS COMPLIANCE APPROVAL SHALL NOT PREVENT THE CITY ENGINEER FROM REQUIRING CORRECTIONS OF ERRORS OR OMISSIONS IN PLANS FOUND TO BE IN VIOLATION OF LAW OR ORDINANCES.

CITY OF SURPRISE ENGINEER

03/05/2015

DATE

SHEET INDEX

- 1 COVER SHEET
- 2 CONSTRUCTION NOTES, LEGEND, AND TYPICAL SECTIONS
- 3 PLAN & PROFILE SHEET - SUNNY LANE
- 4 PLAN & PROFILE SHEET - DESERT SAGE DRIVE

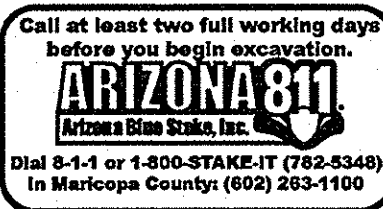
ENGINEER

JACOBS ENGINEERING GROUP INC.
101 NORTH FIRST AVENUE
SUITE 2600
PHOENIX, ARIZONA 85003
(602) 253-1202 FAX
(602) 253-1200
CONTACT: GARY FROMM

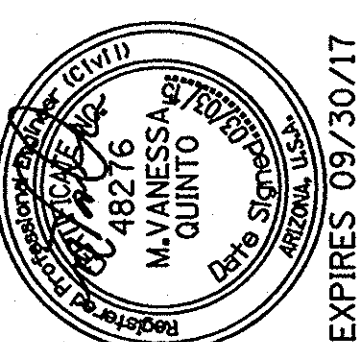
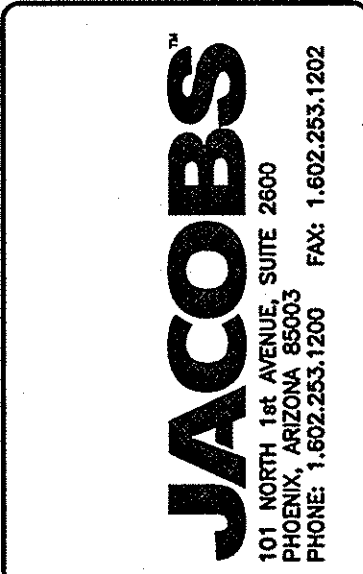
ESTIMATED QUANTITIES		
DESCRIPTION	UNIT	QUANTITY
SUBGRADE PREPARATION	SQ.YD.	6748
3.5" A.C. ON 7.5" ABC	SQ.YD.	6748
MILL A.C. (3")	SQ.YD.	6748
ADJUST MANHOLE TO FINISH GRADE PER MAG STD DTL 422	EACH	5
VERTICAL CURB AND GUTTER PER MAG STD DTL 220-1, TYPE "A"	EACH	6
ADJUST WATER VALVE TO FINISH GRADE PER MAG STD DTL 391-1, TYPE A	L.FT.	385
4' SIDEWALK PER MAG STD DTL 230	SQ.YD.	72
PAVEMENT MARKER FOR FIRE HYDRANT PER MAG DTL 122	EACH	6
CURB RAMP DETECTABLE WARNING ON SIDEWALK RAMP PER MAG STD DTL 234	EACH	8

UTILITY COMPANIES			
AGENCY	UTILITY	CONTACT	PHONE
ARIZONA PUBLIC SERVICE	ELECTRIC	RON GANDARA	(602) 371-7546
CITY OF EL MIRAGE (COEM)	WATER	CHRIS HAUSER	(602) 291-6894
CITY OF SURPRISE	SEWER, WATER	SUNEEL GARG	(623) 222-6130
COX COMMUNICATIONS	CATV, FIBER	RANDY SIMS	(623) 328-4058
CENTURYLINK	COAXIAL, FIBER	ERIC HITCHCOCK	(602) 630-5474
INTEGRA TELECOM/SW FIBER	FIBER	LEE STAUBER	(602) 889-6076
MCI	FIBER	DEAN BOYERS	(972) 729-6322
SOUTHWEST GAS	GAS	YVONNE AGUIRRE	(602) 484-5338

THESE PLANS HAVE BEEN SUBMITTED TO THE FOLLOWING UTILITY COMPANIES FOR REVIEW OF ANY UTILITY CONFLICTS. IF ANY CONFLICTS ARISE DURING THE COURSE OF CONSTRUCTION FROM UNFORESEEN CIRCUMSTANCES, IT SHALL BE REPORTED TO THE APPROPRIATE UTILITY COMPANY AND BE RESOLVED BY THEM AND THE DESIGN ENGINEER.



BY	DATE	REVISION



COVER SHEET

ROADWAY RECONSTRUCTION
SUNNY LANE AND DESERT SAGE DRIVE

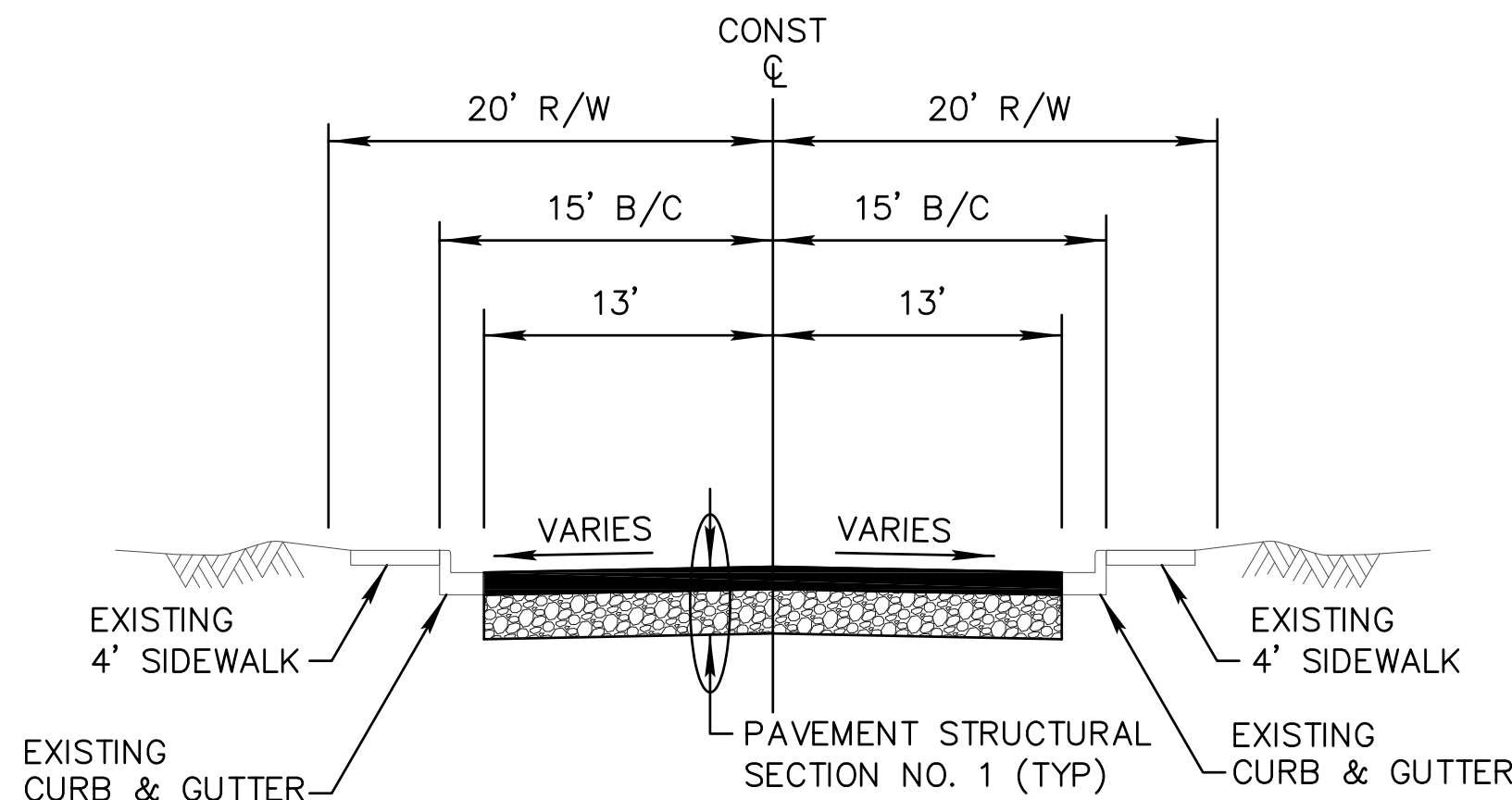
CITY OF SURPRISE
ARIZONA

DESIGNED: INVO: DRAWN: MAG: CHECKED: GAF

PROJ. NO.	B-14-MC-04-0514
DATE	02/26/15
SHEET	1 OF 4

GENERAL ENGINEERING NOTES:

1. ALL CONSTRUCTION MUST CONFORM TO MARICOPA ASSOCIATION OF GOVERNMENT (MAG) SPECIFICATIONS AND DETAILS AND LATEST REVISIONS UNLESS OTHERWISE STATED ON PLANS.
2. THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, AND THEY WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL OVERHEAD AND UNDERGROUND UTILITY LOCATIONS WHERE CONSTRUCTION OCCURS. SPECIAL CARE SHALL BE TAKEN TO ENSURE THAT ALL UTILITIES ARE AVOIDED. UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND NOT FOR CONSTRUCTION PURPOSES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AND OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL COMPLY WITH ALL CURRENT BLUE STAKE LAWS. CALL BLUE STAKE FOR FIELD LOCATION AT (602) 263-1100.
4. THE CITY OF SURPRISE ENGINEERING SERVICES OF PUBLIC WORKS SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORK AT (623) 222-6150.
5. THE ENGINEER AND APPLICABLE AGENCY MUST APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION OR VARIANCE FROM THESE PLANS. ANY VARIATION FROM THESE PLANS SHALL BE PROPOSED AND RESUBMITTED FOR REVIEW AND APPROVAL.
6. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES ON THE SITE. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THE DRAWING, SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE. EXISTING SURFACE FEATURES AND FENCING SHALL BE REPLACED IN KIND.
7. ANY INSPECTION BY THE CITY, COUNTY, OR THE ENGINEER, SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE APPLICABLE CODES AND AGENCY REQUIREMENTS.
8. THE CONTRACTOR IS TO LOCATE ALL EXISTING LANDSCAPING, LANDSCAPING IRRIGATION LINES, PROPERTY MONUMENTS, FENCING OR SURFACE FEATURES PRIOR TO CONSTRUCTION. ANYTHING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
9. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
10. ALL CONSTRUCTION WATER USED WITHIN THE CITY OF SURPRISE WATER SERVICE AREA REQUIRES APPROVAL BY THE CITY OF SURPRISE PUBLIC WORKS DEPARTMENT AND MAY BE SUBJECT TO VOLUME AND TIME RESTRICTIONS. PLEASE SEE THE CITY OF SURPRISE CONSTRUCTION WATER GUIDELINES FOR ADDITIONAL INFORMATION. THE GUIDELINES CAN BE OBTAINED FROM THE PUBLIC WORKS DEPARTMENT AT 623-222-6000.
11. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH MAG SPECIFICATION 401, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THE "TEMPORARY WORK ZONE TRAFFIC MANAGEMENT POLICY" (LATEST EDITION).
12. PRIOR TO FINAL APPROVAL AND ACCEPTANCE OF THE WORK, THE DEVELOPER/CONTRACTOR WILL BE REQUIRED TO CLEAN AND REPAIR ADJACENT (OFF-PROJECT) ROADWAYS USED OR DAMAGED DURING THE COURSE OF CONSTRUCTION.
13. EMERGENCY VEHICLE ACCESS (E.V.A.) MUST BE PROVIDED BY THE DEVELOPER/CONTRACTOR THROUGHOUT THE PROJECT SITE. E.V.A. ROADS AND SIGNAGE SHALL BE MAINTAINED BY THE DEVELOPER/CONTRACTOR AT ALL TIMES. SIGNAGE SHALL BE POSTED AT THE POINT OF ENTRY TO THE SITE AND AT ALL LOCATIONS WHERE A CHANGE IN DIRECTION OCCURS.
14. THE PLANS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT'S ACCESSIBILITY GUIDELINES, AS PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 15, 2010.

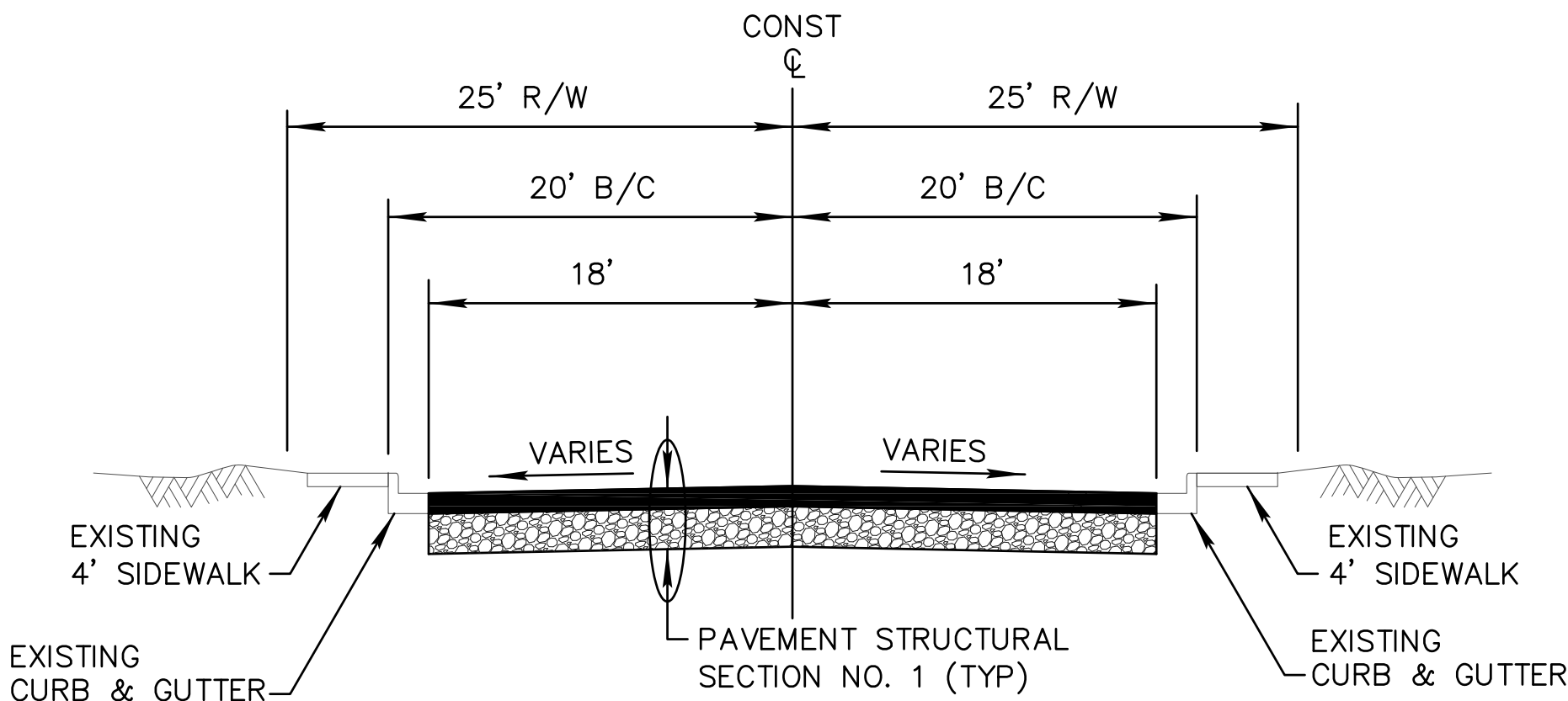


TYPICAL SECTION

SUNNY LANE
STA 1+04 TO STA 9+37

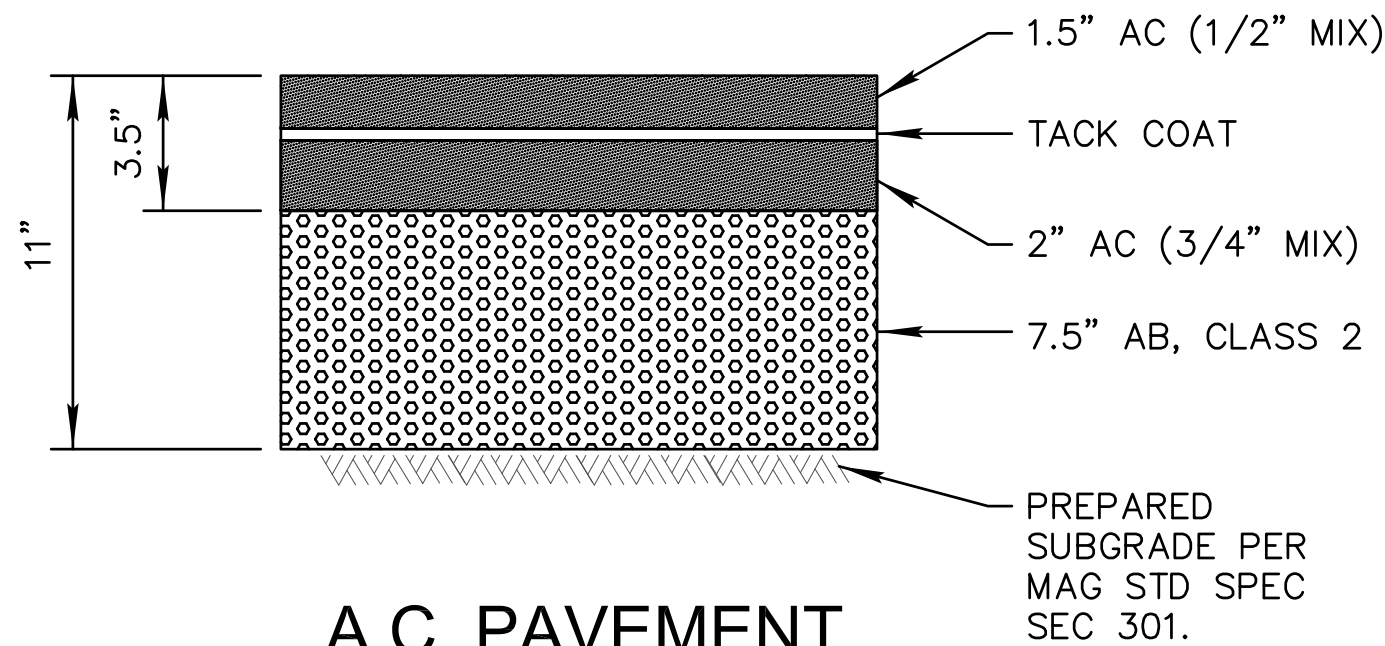
PAVING NOTES:

1. THE ACTUAL POINT OF PAVEMENT MATCHING AND/OR TERMINATION, SHALL BE DETERMINED IN THE FIELD BY A CITY OF SURPRISE FIELD INSPECTOR.
2. ALL FRAMES, COVERS, VALVE BOXES, AND MANHOLE COVERS SHALL BE ADJUSTED TO FINISH GRADE AFTER COMPLETION OF PAVING OR RELATED CONSTRUCTION.
3. CONSTRUCTION OF SURFACE IMPROVEMENTS SHALL NOT BEGIN UNTIL CONFLICTING UNDERGROUND UTILITY CONSTRUCTION IS COMPLETED AND SERVICE CONNECTIONS TO ALL PLATTED LOTS HAVE BEEN ADEQUATELY EXTENDED TO THE RIGHT-OF-WAY, OR PUBLIC UTILITY EASEMENT.
4. THE PERMITTEE SHALL ARRANGE FOR THE RELOCATION COSTS OF ALL UTILITIES, INCLUDING ANY STREET LIGHTS, AND SUBMIT A UTILITY RELOCATION SCHEDULE PRIOR TO THE ISSUANCE OF A CONSTRUCTION PERMIT.
5. TREES AND SHRUBBERY IN THE RIGHT-OF-WAY THAT CONFLICT WITH PROPOSED IMPROVEMENTS SHALL NOT BE REMOVED WITHOUT APPROVAL FROM THE CITY. THE PERMITTEE SHALL BE RESPONSIBLE FOR OBTAINING AUTHORIZATION FROM CITY OF SURPRISE COMMUNITY DEVELOPMENT AT (623) 222-3000 TO REMOVE AND/OR RELOCATE SAID TREES AND SHRUBBERY.
6. DAMAGED AND/OR DISPLACED CONCRETE CURB, GUTTER, SIDEWALK, OR DRIVEWAY SLAB THAT IS WITHIN THE RIGHT-OF-WAY SHALL BE REPAIRED OR REPLACED BEFORE FINAL ACCEPTANCE OF THE WORK.
7. GRADING BETWEEN BACK OF CURB AND PROPERTY LINE SHALL BE LIMITED TO 4:1 SLOPE. PROTECT SLOPES FROM EROSION AND/OR TRANSPORTING SILT ONTO STREETS OR ADJACENT PRIVATE PROPERTY.
8. ALL FIRE HYDRANTS SHALL HAVE A TWO-WAY BLUE REFLECTOR INSTALLED PER MAG STANDARD DETAIL 122.
9. STREET SIGNS SHALL BE FURNISHED AND INSTALLED BY THE DEVELOPER AT THE LOCATIONS SHOWN ON THE SIGNAGE, STRIPING, OR PAVING PLAN. ALL STREET SIGNS SHALL BE INSTALLED PER CITY OF SURPRISE STREET SIGN AND STREET SIGN BASE DETAIL 4-22.
10. ASPHALT MIX DESIGN SHALL BE SUBMITTED TO THE CITY OF SURPRISE ENGINEERING DEVELOPMENT SERVICES DIVISION PRIOR TO THE PLACEMENT OF ANY ASPHALT.

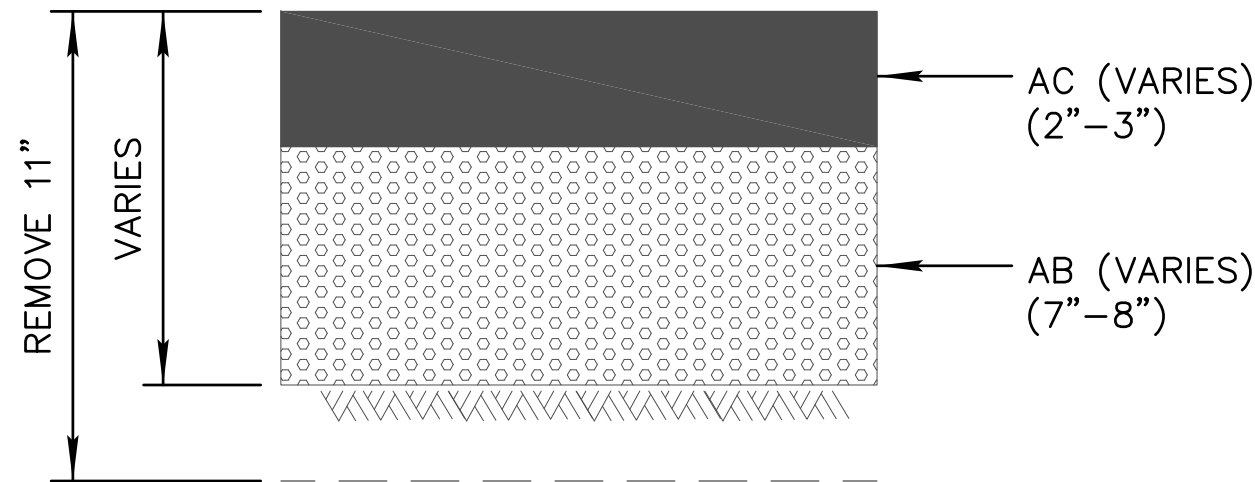


TYPICAL SECTION

DESERT SAGE DRIVE
STA 1+04 TO STA 11+77



A.C. PAVEMENT
STRUCTURAL SECTION NO. 1



EXISTING
PAVEMENT SECTION

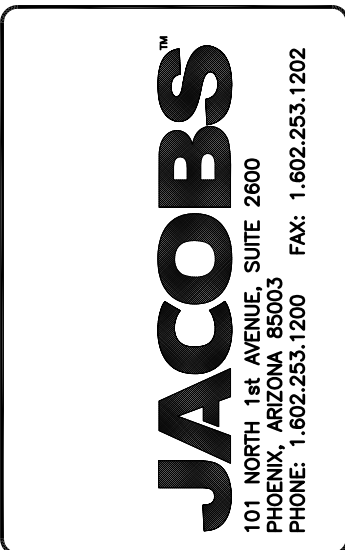
SIDEWALK REPLACEMENT TABLE			
SUNNY LANE			
	BEGIN STA*	END STA*	LENGTH
RT	1+00	1+08	8
DESERT SAGE DRIVE			
	BEGIN STA*	END STA*	LENGTH
RT	2+58	2+63	5
RT	7+60	7+65	5

* SIDEWALK REPLACEMENT STATIONS ARE APPROXIMATE STATIONS BASED ON FIELD OBSERVATIONS. CITY OF SURPRISE INSPECTOR AND CONTRACTOR TO FIELD REVIEW AND DETERMINE EXACT LIMITS OF SIDEWALK REPLACEMENT.

CURB AND GUTTER REPLACEMENT TABLE				
SUNNY LANE				
	BEGIN STA	END STA	GRADE	LENGTH
RT	1+75	2+40	0.11%	65
RT	3+00	3+52	0.32%	52
LT	1+64	2+54	0.13%	90
LT	5+85	6+61	0.17%	76
DESERT SAGE DRIVE				
	BEGIN STA	END STA	GRADE	LENGTH
LT	8+90	9+65	0.12%	75



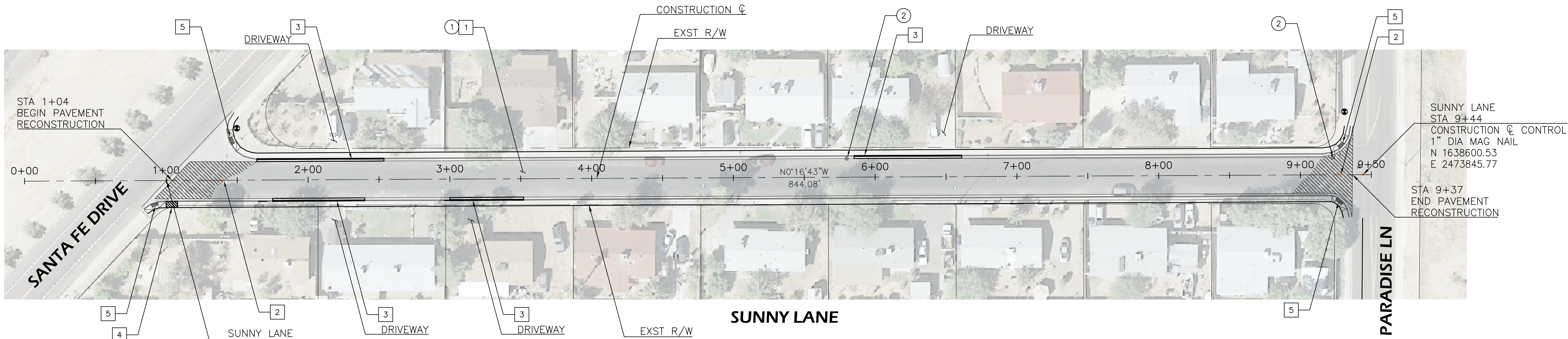
REVISION	DATE	BY



CONSTRUCTION NOTES, LEGEND AND TYPICAL SECTIONS			
ROADWAY RECONSTRUCTION			
SUNNY LANE AND DESERT SAGE DRIVE			
CITY OF SURPRISE			
DESIGNED	DRAWN	CHECKED	G&E

PROJ. NO.	B-14-MC-04-0514
DATE	02/26/15
SHEET	2 OF 4

Mar 03, 2015 - 3:12pm P:\WY13400 Surprise Reconstruction\700CADD\702CIVIL\702BDWG\701 SHEETS\xxx-x-P01.dwg Layout-SUNNY



CONSTRUCTION NOTES

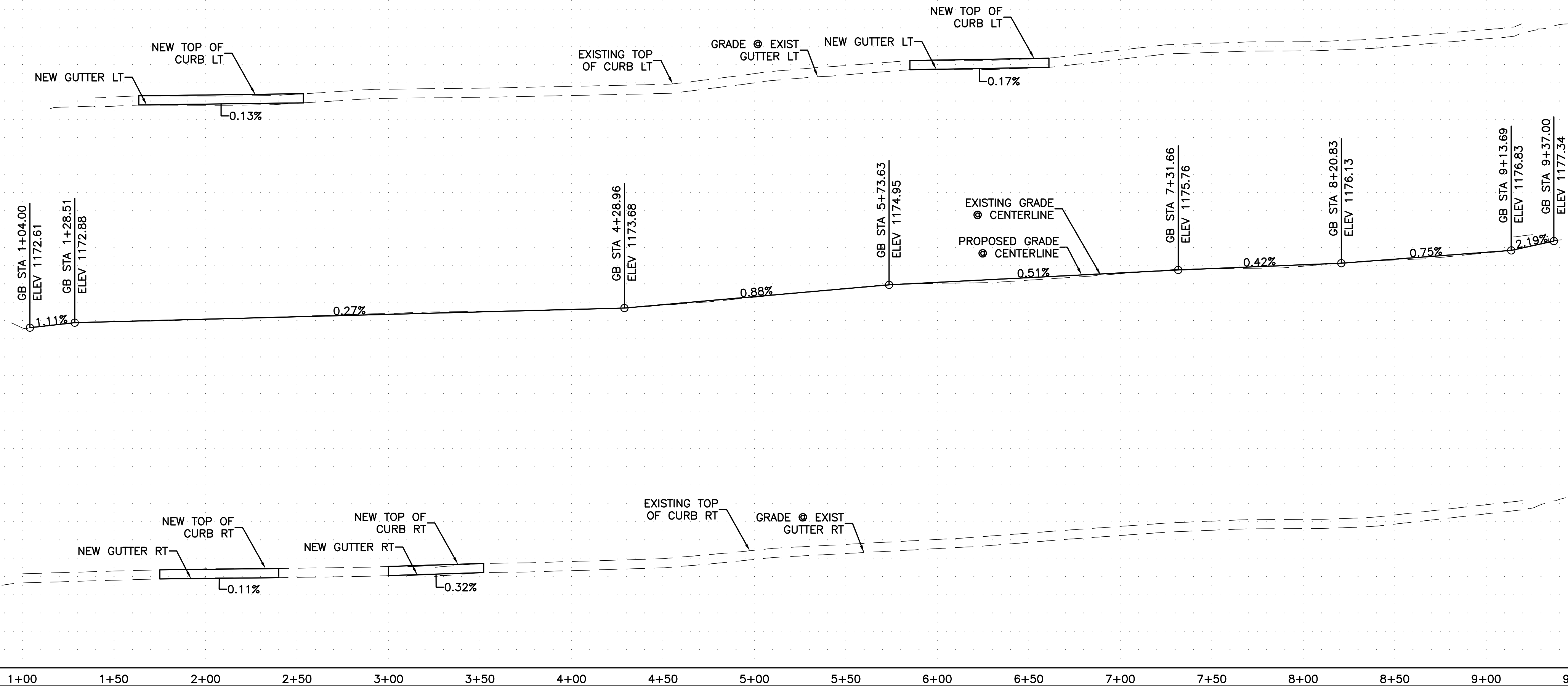
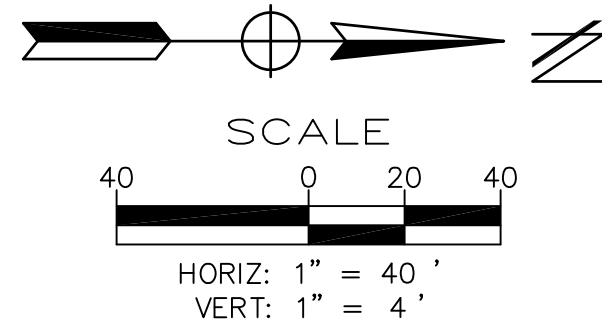
1. CONSTRUCT 3.5" AC ON 7.5" ABC PER STRUCTURAL SECTION NO. 1.
2. INSTALL PAVEMENT MARKER FOR FIRE HYDRANT PER MAG STD DTL 122.
3. REPLACE VERTICAL CURB & GUTTER PER MAG STD DTL 220-1, TYPE "A"
4. REPLACE 4' SIDEWALK PER MAG STD DTL 230.
5. INSTALL DETECTABLE WARNING ON SIDEWALK PER MAG STD DTL 234.

REMOVAL AND ADJUSTMENT NOTES

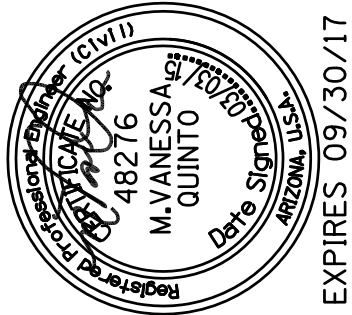
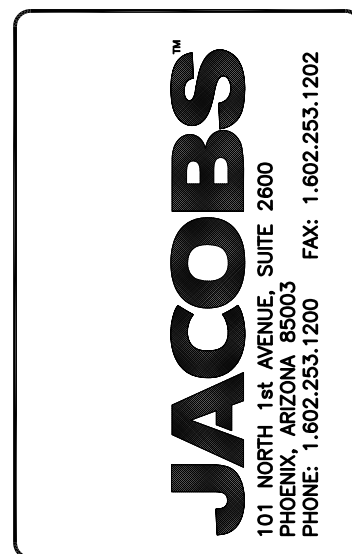
1. REMOVE EXISTING ASPHALT AND BASE MATERIAL.
2. ADJUST MANHOLE TO FINISH GRADE PER MAG STD DTL 422.
3. ADJUST WATER VALVE TO FINISH GRADE PER MAG STD DTL 391-1, TYPE "A".

NOTES:

1. THE ROADWAY CENTERLINE ALIGNMENT FOR SUNNY LANE WAS DEVELOPED BY DETERMINING THE BEST FIT BETWEEN THE LEFT AND RIGHT CURB. IT IS NOT COORDINATED WITH THE MONUMENTATION IN THE AREA AND DOES NOT MATCH THE AS-BUILT DATA.
2. DRIVEWAYS ARE NOT SHOWN IN THE PROFILE. INSTALL CURB FLUSH WITH GUTTER IF PROPOSED CURB AND GUTTER IS IN A DRIVEWAY.



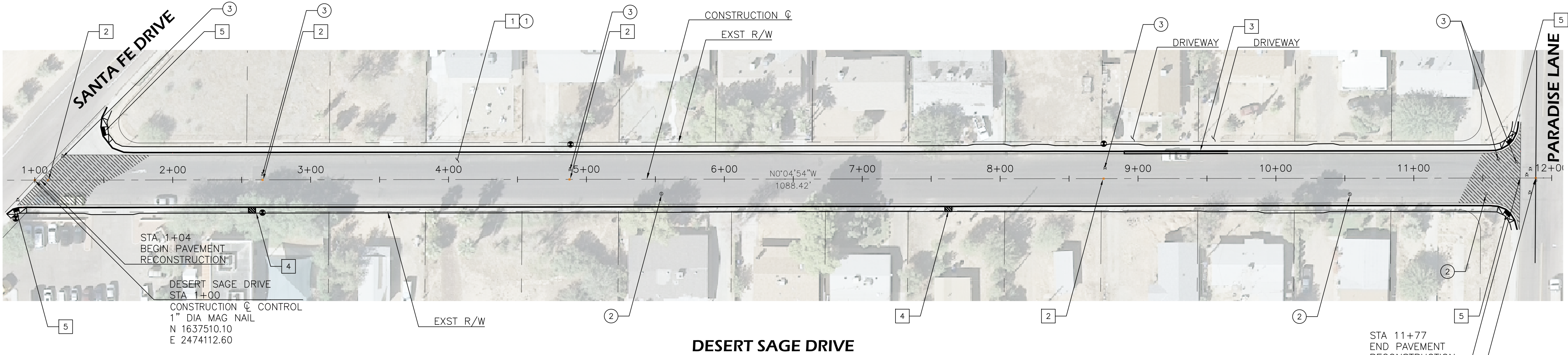
REVISION	DATE	BY



PLAN & PROFILE SHEET - SUNNY LANE	DESIGNED	DRAWN	CHECKED	MAG	GAF
ROADWAY RECONSTRUCTION					
SUNNY LANE AND DESERT SAGE DRIVE					
ARIZONA					
CITY OF SURPRISE					

PROJ. NO. B-14-MC-04-0514
DATE 02/26/15
SHEET 3 OF 4

Mar 03, 2015 - 3:15pm P:\WY13400 Surprise Reconstruction\700CADD\702CIVIL\702BDWG\701 SHEETS\xxx-x-P02.dwg Layout-DESERT



CONSTRUCTION NOTES

1. CONSTRUCT 3.5" AC ON 7.5" ABC PER STRUCTURAL SECTION NO. 1.
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4. REPLACE 4' SIDEWALK PER MAG STD DTL 230.
5. INSTALL DETECTABLE WARNING ON SIDEWALK PER MAG STD DTL 234.

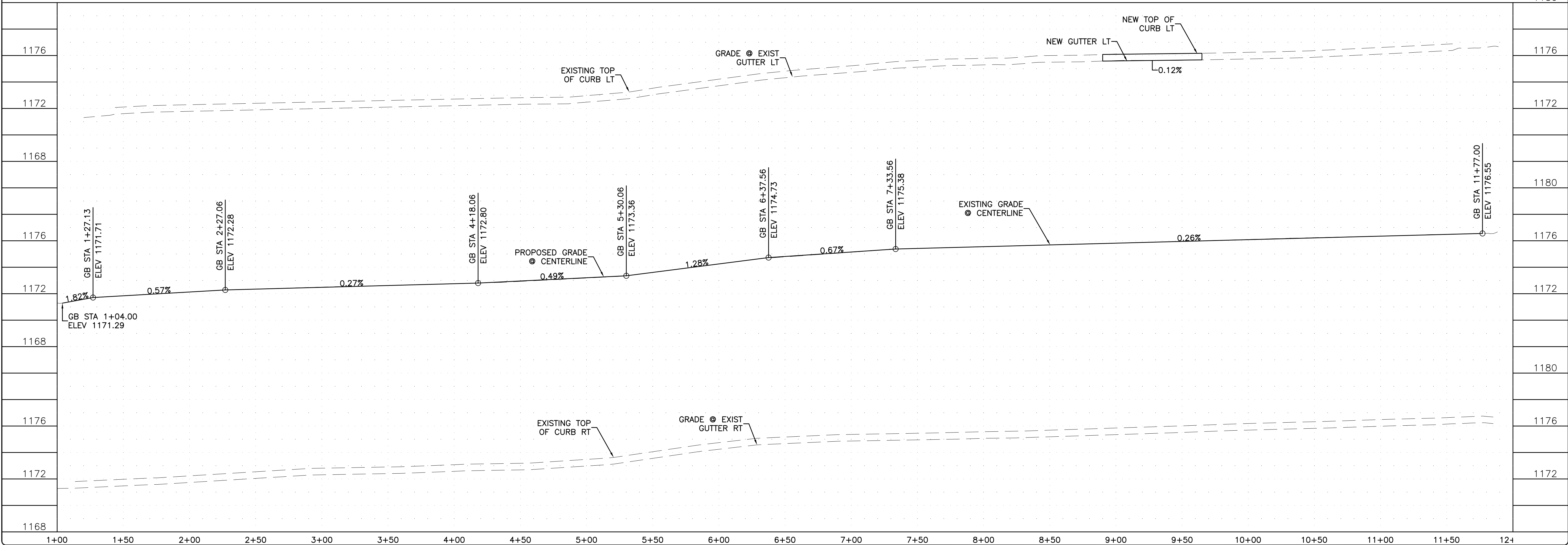
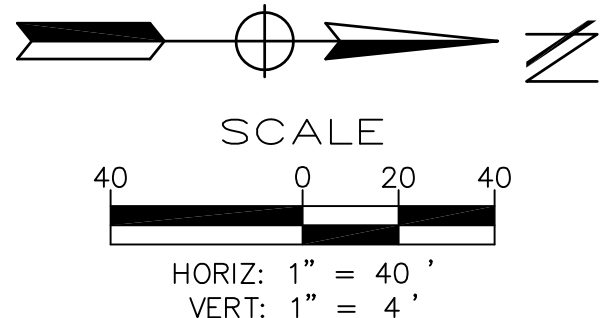
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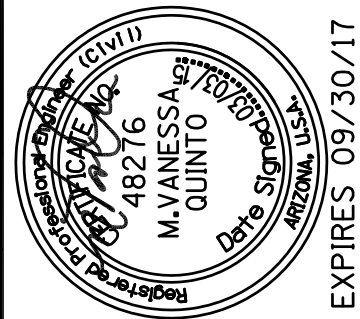
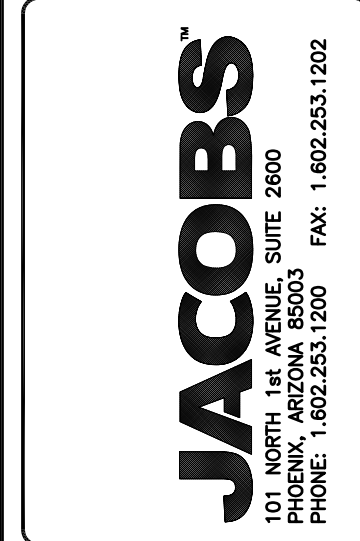
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2. DRIVEWAYS ARE NOT SHOWN IN THE PROFILE. INSTALL CURB FLUSHED WITH GUTTER IF PROPOSED CURB AND GUTTER IS IN A DRIVEWAY.

DESERT SAGE DRIVE
STA 11+88
CONSTRUCTION C CONTROL
1" DIA MAG NAIL
N 1638598.52
E 2474111.05



REVISION	DATE	BY



PLAN & PROFILE SHEET - DESERT SAGE DRIVE	DESIGNED	WVG	DRAWN	MAG	CHECKED	GAF
ROADWAY RECONSTRUCTION						
SUNNY LANE AND DESERT SAGE DRIVE						
CITY OF SURPRISE						
ARIZONA						

PROJ. NO.	B-14-MC-04-0514
DATE	02/26/15
SHEET	4 OF 4